

Abstract of the Disclosure

A system and method for a simultaneous multithreaded processor that reduces the number of hardware components necessary as well as the complexity of design over current systems is disclosed. As opposed to requiring individual storage elements for saving instruction pointer information for each re-steer logic component within a processor pipeline, the present invention allows for instruction pointer information of an inactive thread to be stored in a single, 'inactive thread' storage element until the thread becomes active again.